

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 79-123

NPDES PERMIT NO. CA0028479

WASTE DISCHARGE REQUIREMENTS FOR

WITCO CHEMICAL CORPORATION
U.S. PEROXYGEN DIVISION
RICHMOND, CONTRA COSTA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter the Board) finds that:

1. Witco Chemical Corporation, U.S. Peroxygen Division, hereinafter called the discharger, submitted a report of waste discharge (NPDES Short Form C) dated March 20, 1979.
2. The discharger manufactures organic peroxides which are used in the production of plastics.
3. Process wastes are treated and discharged to the collection system of the West Contra Costa Sanitary District. The discharger proposes to periodically discharge about 150,000 gallons per day of storm-water runoff from areas with some potential for contamination to a drainage ditch tributary to San Pablo Bay, 2½ miles south of Pinole Point.
4. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.
5. In April 1975, the Board adopted the Water Quality Control Plan for the San Francisco Bay Basin.
6. The beneficial uses of San Pablo Bay and contiguous water bodies are:
 - a. Water contact recreation
 - b. Non-contact water recreation
 - c. Navigation
 - d. Open commercial and sport fishing
 - e. Wildlife habitat
 - f. Fish spawning and migration
 - g. Industrial uses
 - h. Preservation of rare and endangered species
 - i. Shellfishing
7. Effluent limitations and toxic and pretreatment effluent standards established pursuant to Sections 208b, 301, 302, 304, and 307 of the Federal Water Pollution Control Act are applicable to the discharge.

8. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
9. The Board in a public meeting heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that Witco Chemical Corporation, U.S. Peroxygen Division, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Federal Water Pollution Control Act, and regulations and guidelines adopted thereunder shall comply with the following:

A. Effluent Limitations

1. The discharge shall not have a pH of less than 6.5 nor greater than 8.5.
2. In any representative set of samples, the waste as discharged shall meet the following limit of quality:

Toxicity: The survival of test organisms acceptable to the Board in 96-hour bioassays of the effluent shall achieve a median of 90% survival for three consecutive samples and a 90 percentile value of not less than 70% survival for ten consecutive samples.

B. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place.
 - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
 - b. Bottom deposits or aquatic growths;
 - c. Alteration of temperature, turbidity, or apparent color beyond present natural background levels;
 - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;
 - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

2. The discharge of waste shall not cause the following limits to be exceeded in waters of the State in any place within one foot of the water surface:

- a. Dissolved oxygen 5.0 mg/l minimum. Annual median - 80% saturation. When natural factors cause lesser concentration(s) than those specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.
- b. Dissolved sulfide 0.1 mg/l maximum
- c. pH Variation from natural ambient pH by more than 0.2 pH units.

3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

C. Discharge Prohibitions

1. The discharge of process wastes to waters of the State is prohibited.
2. The discharge of material spills to waters of the State is prohibited. Spills shall be promptly cleaned up so as to prevent mixing with subsequent stormwater runoff.
3. The discharge of stormwater **runoff generated by the first inch** of rainfall of the wet weather season is prohibited.

D. Provisions

1. All stormwater to be discharged from potentially contaminated areas shall be diverted to the holding pond and checked for compliance with permit limits as specified in the Self-Monitoring Program prior to discharge.
2. The discharger shall comply with the Self-Monitoring Reporting Program as ordered by the Executive Officer.
3. The discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements" dated April 1977 except A.5, A.12, B.2, B.3, B.5.

4. This permit may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et. al. v. Russell E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:
- (1) is different in conditions or more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
5. This Order is effective immediately, and expires October 16, 1984. The discharger must file a Report of Waste Discharge not later than 180 days in advance of such date as an application for issuance of new waste discharge requirements.
6. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from date of hearing provided the Regional Administrator of the U. S. Environmental Protection Agency has no objections.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on **October 16, 1979**.

FRED H. DIERKER
Executive Officer

Attachments:

Standard Provisions & Reporting Requirements 4/77
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Witco Chemical Corporation

US Peroxygen Division

Richmond, Contra Costa County

NPDES NO. CA 0028479

ORDER NO. 79-123

CONSISTS OF

PART A, dated January 1978

AND

PART B

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-001	At any point in the outfall from the holding pond.

B. HOLDING POND

<u>Station</u>	<u>Description</u>
HP-001	At a point in the holding pond representative of water to be discharged.

II. SCHEDULE OF SAMPLING, MEASUREMENTS AND ANALYSIS

- A. The schedule of sampling, measurements and analysis shall be that given as Table I.

III. MODIFICATION OF PART "A", DATED JANUARY 1978

Does not include the following paragraphs of Part A:

C.3, C.4, C.5.c.

IV. MISCELLANEOUS REPORTING

1. Monitoring report shall include log sheets showing pH values, date and time of sampling, name of analyst and laboratory bioassay sheets.
2. Monitoring report shall be submitted monthly during periods of discharge.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 79-123.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Attachment:
Table I

Effective Date _____

TABLE I

SAMPLING STATION	E-001	HP-001
TYPE OF SAMPLE	Grab	Grab
Toxicity~TL _M & % survival		F (1)
pH	E (3)	E (2)
Flow (mgd)	Daily	

- (1) Toxicity of accumulated stormwater shall be determined prior to first discharge of wet weather season and first discharge of each two months period thereafter.
- (2) Stormwater shall be diverted to holding pond and checked for compliance with pH limits prior to each discharge.
- (3) pH of discharge stream shall be sampled once daily during discharge.